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FIG. 1B

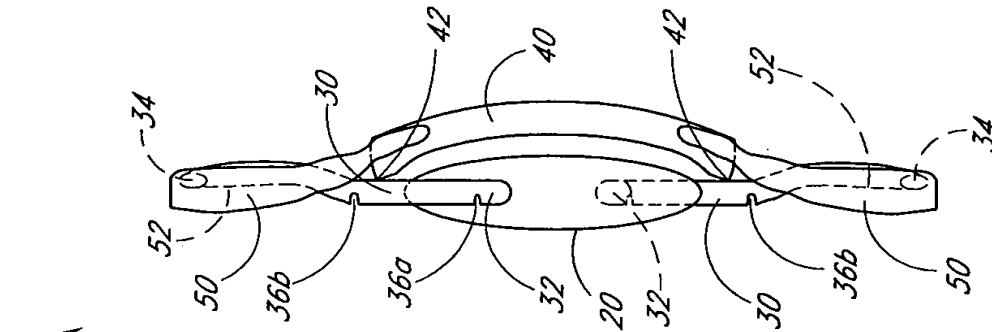
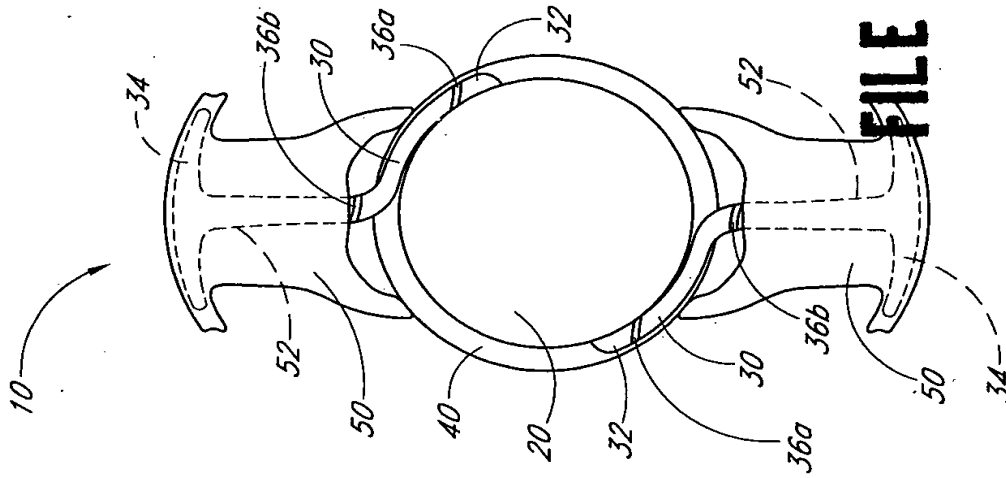
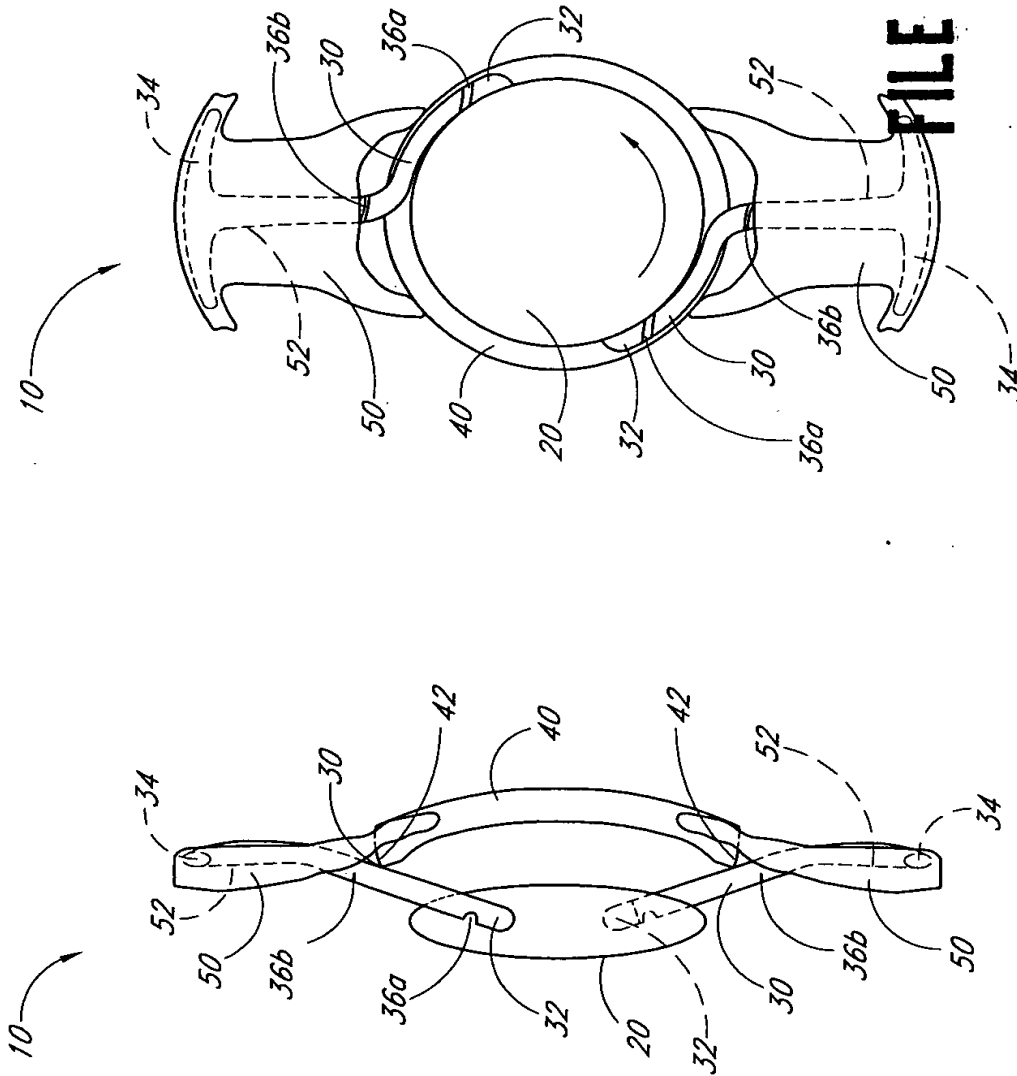


FIG. 1A

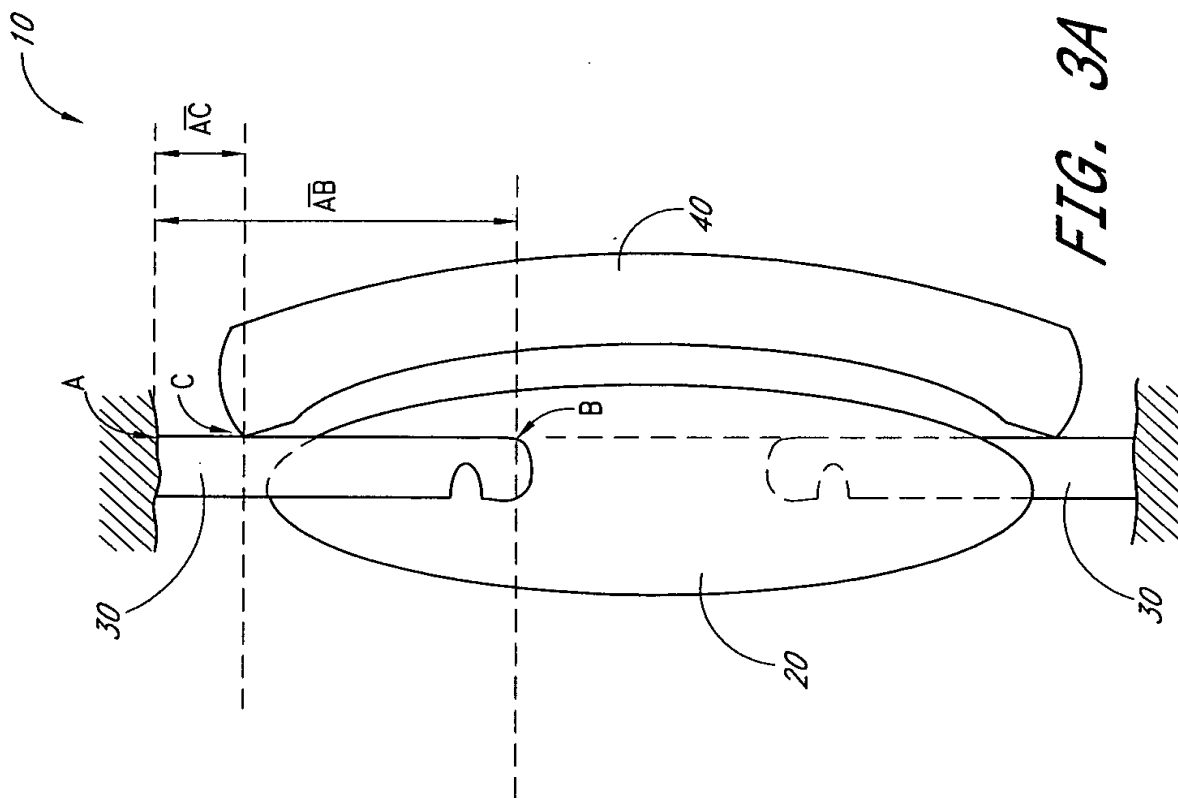
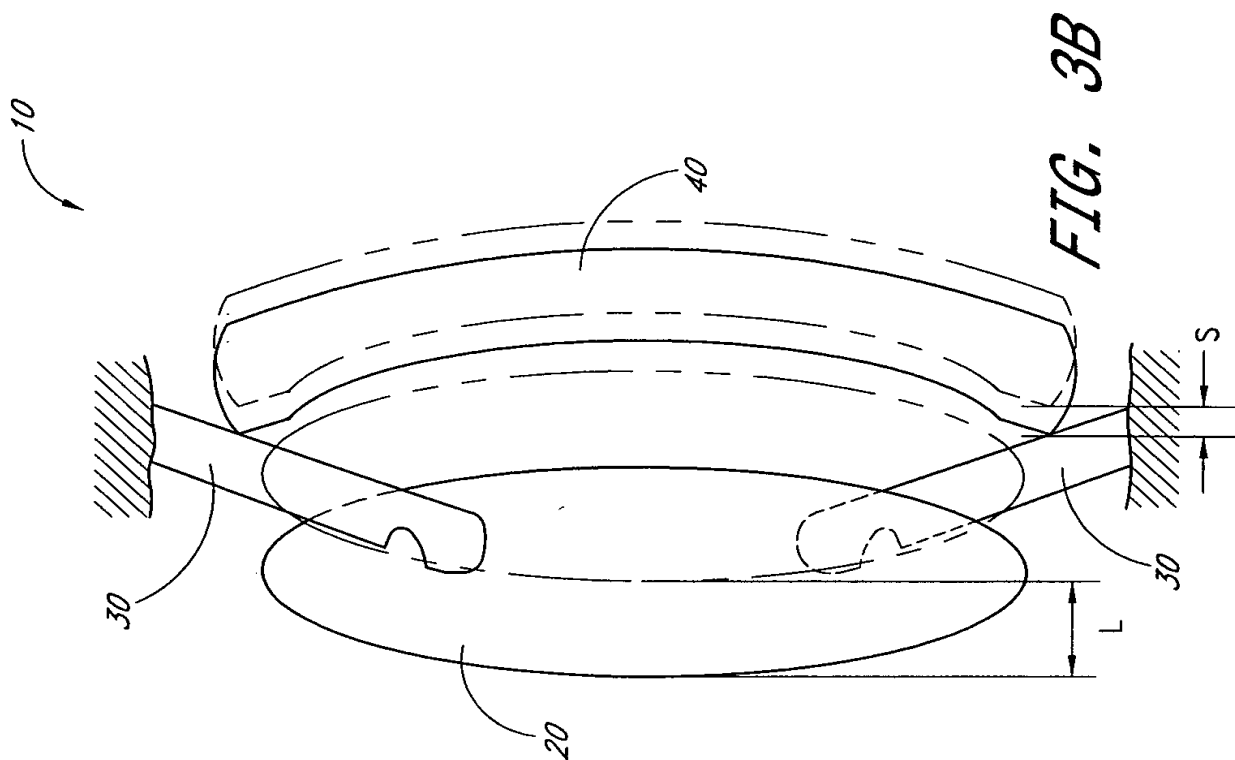


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FIG. 2B

FIG. 2A

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Diagram illustrating a beam AB of length L , pivoted at B. A weight S is applied at a distance S from A. A cable is attached at A, passes over a pulley at C' (distance s from A), and is supported by a vertical force at B'. The angle between the beam AB and the cable is α . Horizontal distances AC and AB are indicated by dashed lines.

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FIG. 3C

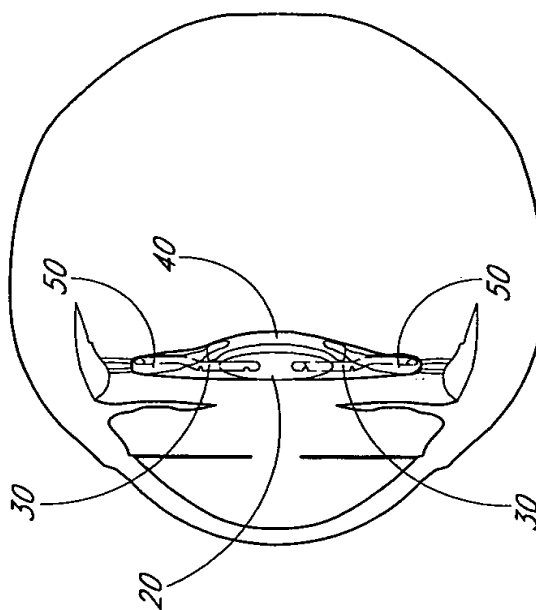


FIG. 4A

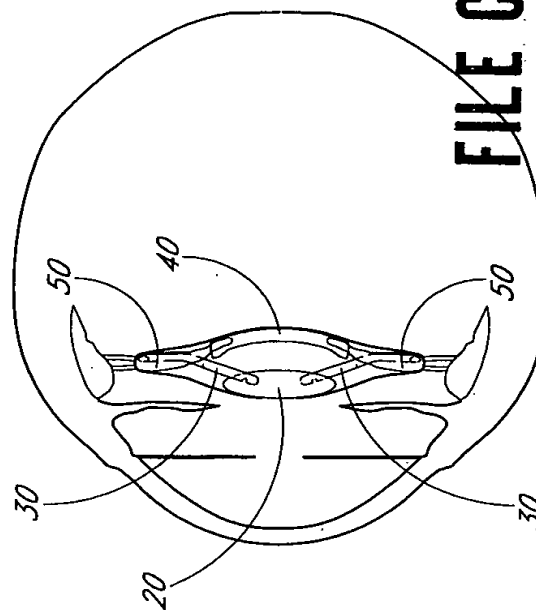


FIG. 4B

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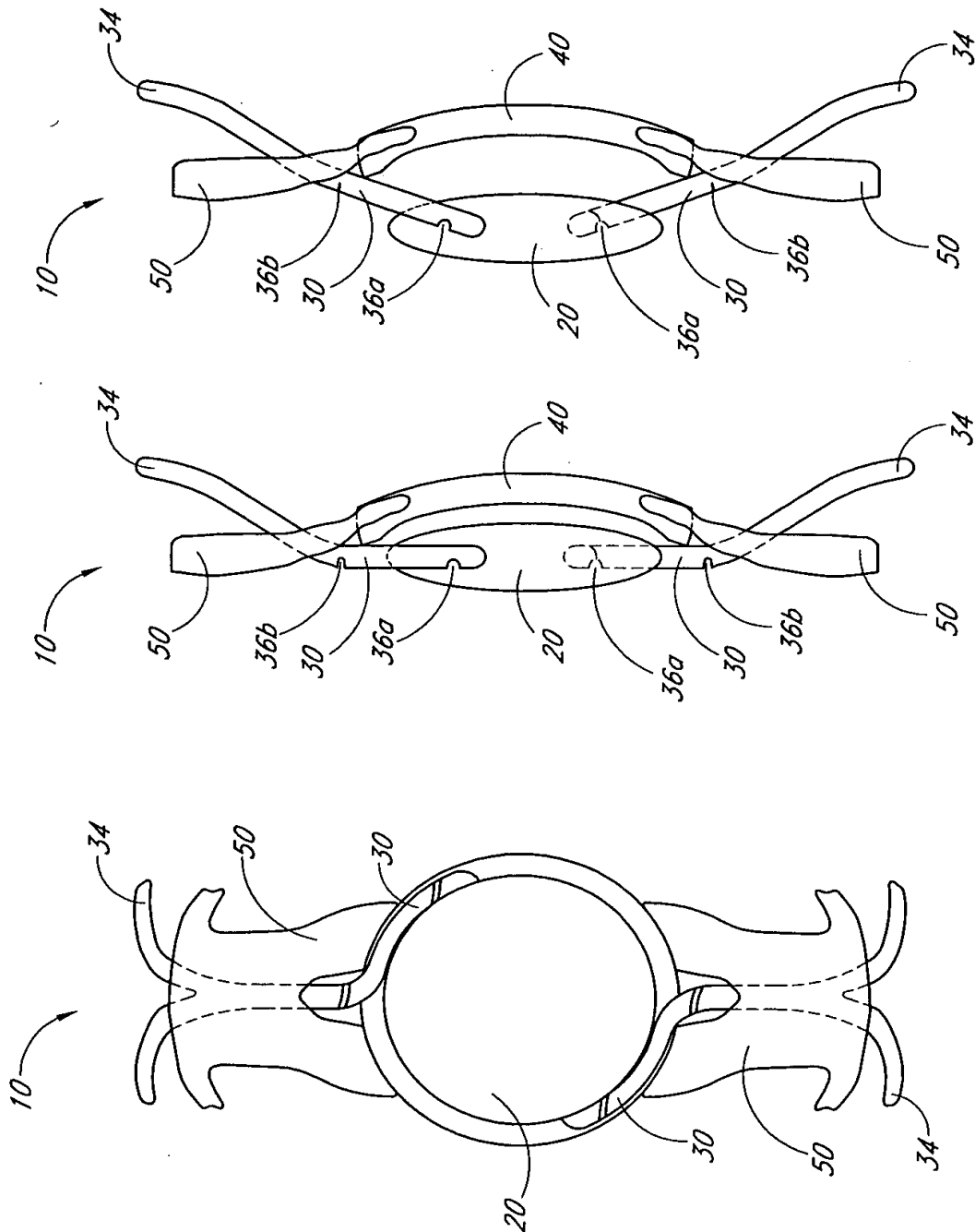


FIG. 5C

FIG. 5B

FIG. 5A

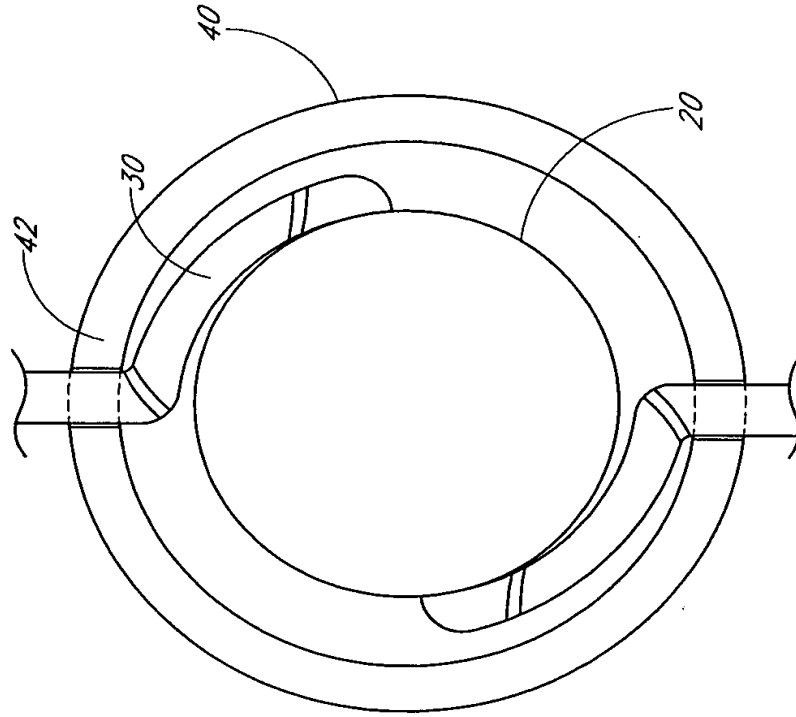


FIG. 6B

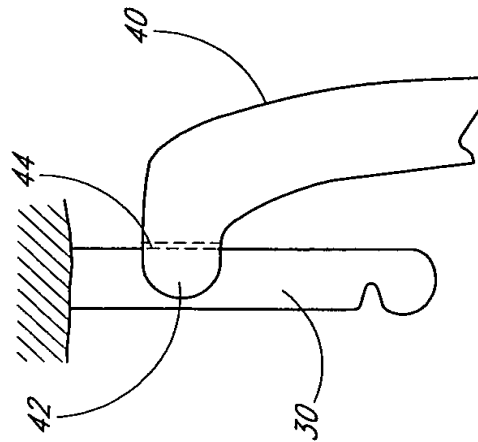
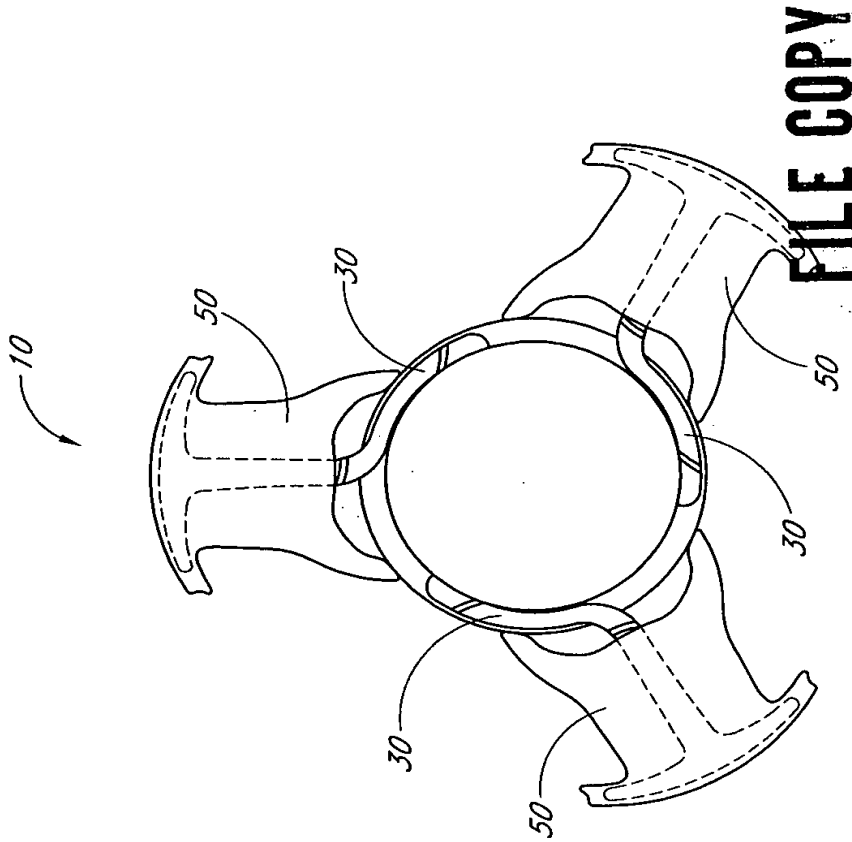
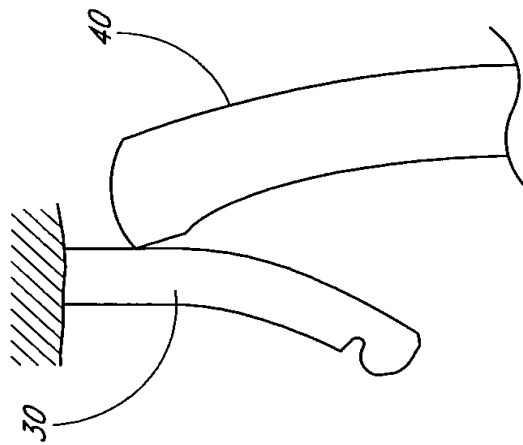


FIG. 6A



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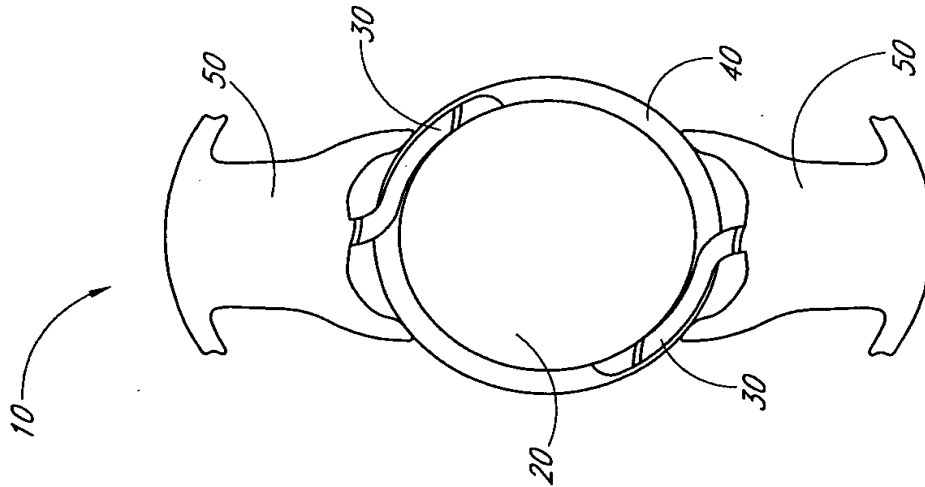


FIG. 10

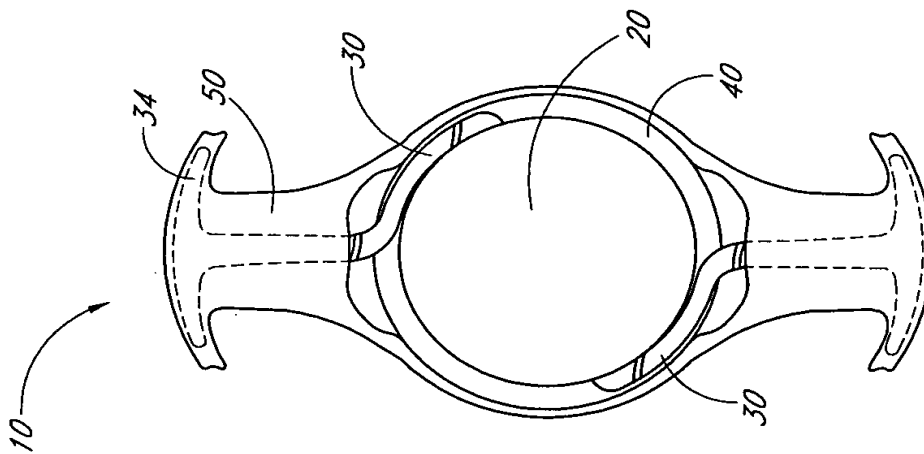


FIG. 9

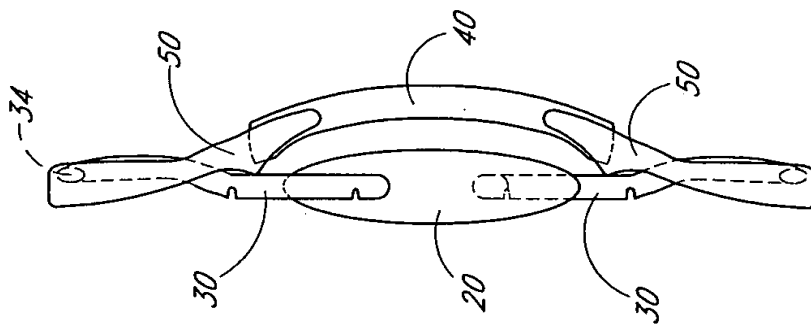


FIG. 11